# BRUHAT BANGALORE MAHANAGARA PALIKE

## YELAHANKA ZONE

Name of work: Estimate for Improvements to Roads and Drains at Cauvery layout in Ward No.06, Byatarayanapura Sub Division

| | | | | | | | Estimate Cost Rs. | | 500000.00 |
|---|---|---|---|---|---|---|---|---|---|
| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
| 1 | KSRB 2-1.1: Earth work in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, Specification No KBS 2.1(a) / 2.3.1,P. No. 5/ Item No. 2.1/ PWD SR 2011-12 | cum | | | | | | | |
| | Cross Road | | 1 | 103.00 | 5.00 | 0.15 | 77.25 | | |
| | | | | | | | **77.25** | 120.96 | **9344.00** |
| | Basic Rate | 112.00 | | | | | | | |
| | Area Weightage @ 8% | 8.96 | | | | | | | |
| | **Total** | **120.96** | | | | | | | |
| 2 | KSRB 2-2.1 : earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in **Hard soil** not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No. 5/ Item No. 2.8/ PWD SR 2011-12 | Cum | | | | | | | |
| | For Cross Road BS Slab Drain | | 2 | 103.00 | 0.60 | 0.60 | 74.16 | | |
| | For Solid Block Drain | | 1 | 13.00 | 1.00 | 0.75 | 9.75 | | |
| | | | 1 | 46.00 | 1.00 | 0.75 | 34.50 | | |
| | For Culverts | | 2 | 6.20 | 1.85 | 0.90 | 20.65 | | |
| | | | | | | | **139.06** | 217.08 | **30186.00** |
| | Basic Rate | 201.00 | | | | | | | |
| | Area Weightage @ 8% | 16.08 | | | | | | | |
| | **Total** | **217.08** | | | | | | | |
| 3 | Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete Page No. 28/ Item No. 5.31 / PWD SR 2011-12 | Sqm | | | | | | | |
| | Cross Road | | 2 | 103.00 | 1.65 | | 339.90 | | |
| | | | | | | | **339.90** | 332.37 | **112973.00** |
| | Basic Rate | 307.75 | | | | | | | |
| | Area Weightage @ 8% | 24.62 | | | | | | | |
| | **Total** | **332.37** | | | | | | | |

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 4 | KSRB-4-1.3 : Providing and laying in position **plain cement concrete of mix M 7.5** withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.3/ PWD SR 2011-12 | Cum | | | | | | | |
| | For Cross Road | | 1 | 13.00 | 1.00 | 0.15 | 1.95 | | |
| | | | 1 | 46.00 | 1.00 | 0.15 | 6.90 | | |
| | For Culverts | | 2 | 6.20 | 1.85 | 0.15 | 3.44 | | |
| | | | | | | | **12.29** | 3939.41 | **48419.00** |
| | Basic Rate | 3647.60 | | | | | | | |
| | Area Weightage @ 8% | 291.81 | | | | | | | |
| | **Total** | **3939.41** | | | | | | | |
| 5 | KSRB 5-14 : Providing and constructing precast concrete **solid blocks** with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Page No. 27/ Item No. 5.27/ PWD SR 2011-12 | Sqm | | | | | | | |
| | | | 2 | 13.00 | | 0.60 | 15.60 | | |
| | | | 2 | 46.00 | | 0.60 | 55.20 | | |
| | | | | | | | **70.80** | 709.89 | **50261.00** |
| | Basic Rate | 657.31 | | | | | | | |
| | Area Weightage @ 8% | 52.58 | | | | | | | |
| | **Total** | **709.89** | | | | | | | |
| 6 | KSRB 5.2.3 Providing and constructing granite / trap / basalt Size stone masonry **in foundation** with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 Page No. 25/ Item No. 5.6/ PWD SR 2011-12 | Cum | | | | | | | |
| | For culverts | | 2x2 | 6.20 | 0.60 | 0.40 | 5.95 | | |
| | | | | | | | **5.95** | 2827.87 | **16831.00** |
| | Basic Rate | 2618.40 | | | | | | | |
| | Area Weightage @ 8% | 209.47 | | | | | | | |
| | **Total** | **2827.87** | | | | | | | |
| 7 | KSRB 5.3-3 Providing and constructing granite / trap / basalt size stone masonry **in basement** with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 Page No. 26/ Item No. 5.9/ PWD SR 2011-12 | Cum | | | | | | | |
| | For Culverts | | 2X2 | 6.20 | 0.45 | 0.40 | 4.46 | | |
| | | | | | | | **4.46** | 3300.91 | **14735.00** |

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | Basic Rate | 3056.40 | | | | | | | |
| | Area Weightage @ 8% | 244.51 | | | | | | | |
| | **Total** | **3300.91** | | | | | | | |
| 8 | KSRB-4-1.6 : Providing and laying in position plain cement concrete of mix **M15** withOPC cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2/ P.No. 12/ Item No. 4.6/ PWD SR 2011-12 | Cum | | | | | | | |
| | For Culverts | | 2x2 | 6.20 | 0.50 | 0.10 | 1.24 | | |
| | | | | | | | **1.24** | 4462.34 | **5533.00** |
| | Basic Rate | 4131.80 | | | | | | | |
| | Area Weightage @ 8% | 330.54 | | | | | | | |
| | **Total** | **4462.34** | | | | | | | |
| 9 | KSRB 15.2.1: Providing **flush pointing** to stone slab pavements, with cement mortar 1:3, after raking joints, nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 119/ Item No. 15.7/ PWD SR 2011-12 | Sqm | | | | | | | |
| | For Culverts | | 2x2 | 6.20 | 0.40 | | 9.92 | 265 | 263 |
| | | 24.54 | | | | | **9.92** | 26.70 | **265.00** |
| | Basic Rate | 24.72 | | | | | | | |
| | Area Weightage @ 8% | 1.98 | | | | | | | |
| | **Total** | **26.70** | | | | | | | |
| 10 | KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix **M20** withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, **No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2011-12** | **Cum** | | | | | | | |
| | | | 2 | 6.20 | 1.65 | 0.20 | 6.14 | | |
| | | | | | | | **6.14** | 5296.75 | **32511.00** |
| | Basic Rate | 4904.40 | | | | | | | |
| | Area Weightage @ 8% | 392.35 | | | | | | | |
| | **Total** | **5296.75** | | | | | | | |

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 11 | KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 19/ Item No. 4.46/ PWD SR 2011- | Qtl | | | | | | | |
| | 0.80 Qtl/Cum | | 0.80 | 6.14 | | | **4.91** | 7347.82 | **36081.00** |
| | | | | | | | | | |
| | Basic Rate | 6803.54 | | | | | | | |
| | Area Weightage @ 8% | 544.28 | | | | | | | |
| | **Total** | **7347.82** | | | | | | | |
| 12 | KSRB 15-3.7:- Providing **18mm thick cement plaster** in single coat with cement mortar 1:3, to **brick masonry** including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Page No. 119/ Item No. 15.15/ PWD SR 2011-12 | Sqm | | | | | | | |
| | | | 2 | 13.00 | | 0.60 | 15.60 | | |
| | | | 2 | 46.00 | | 0.60 | 55.20 | | |
| | | | | | | | **70.80** | 196.78 | **13932.00** |
| | Basic Rate | 182.20 | | | | | | | |
| | Area Weightage @ 8% | 14.58 | | | | | | | |
| | **Total** | **196.78** | | | | | | | |
| 13 | KSRRB M300-53: construction of **embankment** with approved material gravel/murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement table 300-2 complete as per specifications. (which includes cost of gravel/murrum, watering charges & compaction by vibratory roller) MORTH specification Page No. 305.4.3, No. 156/ Item No. 19.60/ PWD SR 2011-12 | cum | | | | | | | |
| | Cross Road | | 1 | 103.00 | 5.00 | 0.20 | 103.00 | | |
| | | | | | | | **103.00** | 146.88 | **15129.00** |
| | Basic Rate | 136.00 | | | | | | | |
| | Area Weightage @ 8% | 10.88 | | | | | | | |
| | Total | **146.88** | | | | | | | |

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 14 | KSRRB M400-14.2: Providing, laying, spreading and compacting stone aggregates of specific size to water bound macadam specifications. Including spreading in uniform thickness, hand packing, rolling with 3-whelled steel / vibratory roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening / binding materials to fill up the interstices of coarse aggregates, watering and compacting to the required density complete as per specifications. B by mechanical means, MORTH specification No. 404, Crushable type such as moorum or gravel for **grading II** , No. 166/ Item No. 20.15.2/ PWD SR 2011.12 | Cum | | | | | | | |
| | For Cross Road | | 1 | 103.00 | 5.50 | 0.10 | 56.65 | 51.50 | 5523.00 |
| | | | | | 5.00 | | 56.65 | 1072.44 | 60754.00 |
| | Basic Rate | 993.00 | | | | | | | |
| | Area Weightage @ 8% | 79.44 | | | | | | | |
| | **Total** | **1072.44** | | | | | | | |
| 15 | KSRRB M400-14.2: Providing, laying, spreading and compacting stone aggregates of specific size to water bound macadam specifications. Including spreading in uniform thickness, hand packing, rolling with 3-whelled steel / vibratory roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening / binding materials to fill up the interstices of coarse aggregates, watering and compacting to the required density complete as per specifications. B by mechanical means, MORTH specification No. 404, Crushable type such as moorum or gravel for **grading III** , No. 166/ Item No. 20.15.3/ PWD SR 2011.12 | Cum | | | 5.00 | | | | |
| | For Roads 1st Main Road | | 1 | 103.00 | 5.50 | 0.08 | 45.32 | 1366.20 | 56289.00 |
| | | | | | 5.00 | | 45.32 | 1366.20 | 61916.00 |
| | Basic Rate | 1265.00 | | | | | | | |
| | Area Weightage @ 8% | 101.20 | | | | | | | |
| | **Total** | **1366.20** | | | | | | | |
| 16 | Miscesallaneous Charges | L/S | | | | | | | 286.00 |
| | | | | | | | | Total | 500000.00 |

Technical Sanction for Rs. 5,00,000.00
Five lacs only
under P.T. 1771 P.O.W. 11-12
registered as EE No: 69/14.5.12 Subject to conditions contained enclosed memo.
No: 69/12-13/ Dt. 14.5.12
AE/JE
EE (BTP. Div.)

**(Rupees Five Lakhs Only)**

Rupees Five Lakhs only
Under P.T. 1771 P.O.W. 11-12
Registered as JC(Y) No. 142/12-13
Subject to conditions contained in enclosed memo JC(Y) No. 142/12-13
Dt. 11/05/12 Estimate A/Sanctioned
JC/Yel/AA/12-13 No. 142
dated 11.05.12 Rs. 5,00,000.00/-
Joint Commissioner (Byatarayanapura)

Certificate:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2011-12
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Sub Division
B.B.M.P. Bangalore-24

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division



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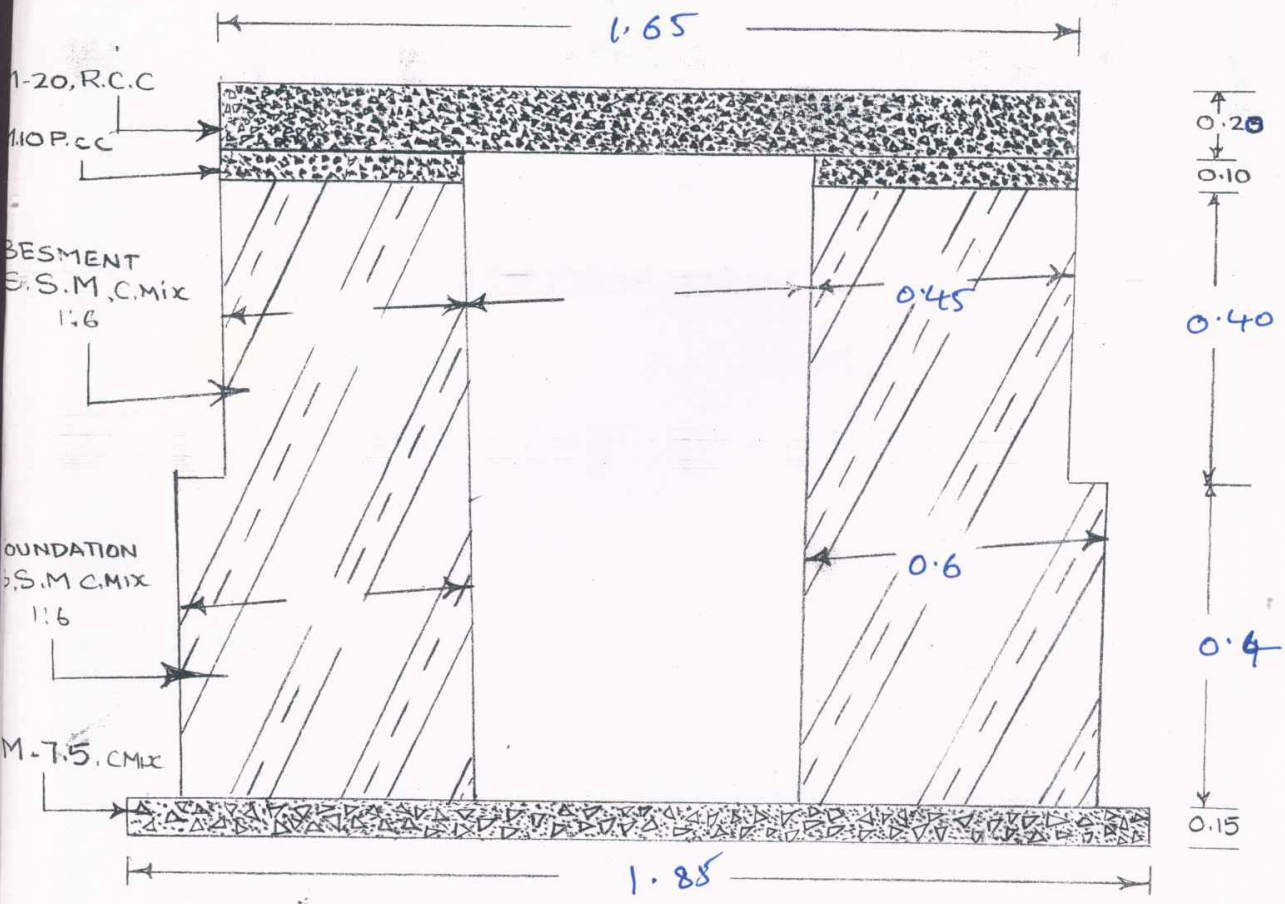


Improvements to Roads And Drains At Cauvery layout in Ward No. 06.

Pas
ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore-26